



IOWA DEPARTMENT OF
NATURAL RESOURCES
Waste Tire Storage Facility
PERMIT APPLICATION



SECTION 1. FACILITY INFORMATION

▼ FOR IDNR ACCOUNTING USE ONLY ▼

Facility Name/Address (street address, city, state, zip, county):		INTERNAL SOURCE: 1220 0098-542-TIRE-0630	
Facility Phone #:		CASHIER'S OFFICE:	
Name/Address of Owner of Real Estate at Facility: (if corporation, name of CEO/President)		Name of Tire Collector at Facility (if different from the owner):	
Phone #:		Phone #:	
Legal Description of Property at Facility: (you may attach a legal description from your county assessor)		Type of Application (mark only one) Renewal <input type="checkbox"/> New Application <input type="checkbox"/> Existing Permit # _____	
Type of Storage Area to be Permitted: <input type="checkbox"/> Above-ground(outside) <input type="checkbox"/> Above-ground (inside) <input type="checkbox"/> Below-ground* <i>*any below ground storage must qualify and operate as a licensed grain warehouse – include a copy of current license as a grain warehouse if this storage option is to be considered.</i>			
Maximum quantity of waste tires to be stored: <i>Note quantities in passenger tire equivalents (PTEs)</i> <i>A PTE is a conversion measurement used to estimate waste tire weights and volumes in which one passenger car tire with a rim diameter of 17 inches or less is equal to 20 pounds. One cubic yard of volume shall contain 15 PTEs. Tires larger than a passenger car tire shall be evaluated for volume using this conversion measurement.</i>			
A.	Above-ground (outside)	▶ _____ PTEs	(maximum of 250,000 PTEs allowable)
B.	Above-ground (inside)	▶ _____ PTEs	(maximum of 50,000 PTEs allowable)
C.	Below-ground (licensed grain warehouse)	▶ _____ PTEs	(maximum of 4,000,000 PTEs allowable)

SECTION 2. GENERAL DESCRIPTION OF OPERATION

Describe the reason for requesting waste tire storage

Describe the intended end use of the waste tires being stored. Attach active contract, purchase order, or supply agreement with end user.

Describe the general operations and layout of the storage facility:

Describe the types of waste tires that will be accepted and the proposed amount of storage time:

Describe how the volume of tires are counted or weighed upon acceptance from customers:

SECTION 3. SITE MAP [IAC 567 117.4(2)d.(3)]

➡ **Provide a scaled* site map** showing the following:

- all areas proposed for waste tire storage
- all property boundaries of the facility property, as referenced in Section 1.
- the footprint locations of all buildings and major improvements on the site, as well as within 300' of the site

* *applicants may wish to use a surveyed plat map, aerial photo, or a print-out of a county assessor's property description map as a base to create a scaled site map*

SECTION 4. VECTOR CONTROL PLAN [IAC 567 117.4(2)d.(4)]

- ➡ ***Provide a vector control plan to prevent infestations of mosquitoes and rodents for all aboveground storage in open areas. The plan must be prepared by a firm that provides professional vector management services, or by the permittee, if properly trained and certified in vector control procedures.***

SECTION 5. SITE CLOSURE PLAN [IAC 567 117.4(2)d.(5)]

- ➡ ***Attach a closure plan that describes action to be taken within 30 days of any plans by the owner/operator to close the storage facility, including the following:***
 - How will the owner/operator notify the department within 30 days of closure?
 - How will all waste tire materials be disposed of through final processing and marketing, or through other sources?
 - How will waste tire residuals and shredding waste be disposed of?
 - How will the applicant ensure that no violations will remain regarding waste tire or solid waste disposal laws and regulations upon final closure of the facility?

SECTION 6. EMERGENCY RESPONSE AND REMEDIAL ACTION PLAN [IAC 567 117.4(2)d.(6)]

In accordance with Iowa Code section 455B.306(6)d, owners and operators of all permitted sanitary disposal projects are required to file an Emergency Response and Remedial Action Plan (ERRAP) with the department at the time of application for a permit, and to update the ERRAP upon subsequent renewals of such permits. The ERRAP shall establish provisions to minimize the possibility of fire, explosion, or the release of pollutants to the air, land or water that could threaten human health and the environment.

- ➡ ***Attach an ERRAP for the tire storage facility with this application. The ERRAP may be submitted in a format chosen by the applicant, but shall, at a minimum, contain the components as indicated on the attached ERRAP checklist, in accordance with Iowa Administrative Code rule 567-102.14 "Emergency response and remedial action plans." A copy of 102.14 has been included for reference.***

SECTION 7. FINANCIAL ASSURANCE [IAC 567 117.7]

All permitted waste tire stockpile sites must have a financial assurance document in place prior to the issuance of a permit for storage by the department. Financial assurance shall be in place for the maximum amount of waste tires that the permittee plans to store, as noted in the permit application. Financial assurance shall be provided for each tire in the following amounts:

\$.85 (eighty-five cents) for each tire placed for storage after July 1, 1998

\$.35 (thirty-five cents) for each tire placed for storage before July 1, 1998

- ➡ **Evidence of financial assurance shall be provided and included within the permit application by one of the following instruments:**
 1. **Cash payment** by certified check, made payable to the Iowa Department of Natural Resources, or;
 2. **Surety bond** written by a company authorized by the commissioner of insurance to do business in Iowa, and in accordance with rule 117.7(3)b., or;
 3. **Secured trust fund**, naming the Iowa Department of Natural Resources as the entity authorized to draw funds from the trust, or;
 4. **Letter of Credit or Corporate Guarantee**, wherein the department may require a third-party financial audit to verify the solvency and financial stability of the permittee for the amount to be guaranteed.

SECTION 8. PERMIT REQUIREMENTS [IAC 567 117.4(3)]

You must comply with the following permit requirements before a permit is issued, unless specific “Special Permit Conditions” are indicated on your final permit as issued by the department. Indicate your acceptance of these permit requirements by initialing each item below. If the storage item referenced does not apply to you, skip to the next storage type as indicated on page 5.

Item 8A:	ABOVEGROUND STORAGE – OPEN AREA	Initialed by:
8A.1	The total amount of waste tires present on site shall not exceed the amount of financial assurance posted by the permit applicant. Total amount of tires present shall be determined by weight and volume measurements as established in IAC 567 Chapter 117.	
8A.2	No one tire stockpile shall contain more than 50,000 cubic feet of waste tires.	
8A.3	The vertical dimension of a waste tire pile shall not exceed 10 feet.	
8A.4	A single waste tire pile shall not be more than 100 feet in length.	
8A.5	The surface area covered by any waste tire stockpile shall not exceed 5,000 square feet.	
8A.6	Tire piles may not be constructed upon any waste tire materials or other flammable materials.	
8A.7	A fifty-foot (50') fire lane shall be maintained between any two tire piles.	
8A.8	Tire bales shall be stored in piles no greater than 10 feet in height, 25 feet in width, or 50 feet in length, with a separation distance of 50' between piles of tire bales.	
8A.9	A waste tire pile must be located at least 50 feet from any property line, street, public right-of-way or building.	
8A.10	Trees and brush shall be cleared within 50 feet of any tire pile.	
8A.11	Combustible materials or volatile chemicals shall not be stored within 50 feet of any tire pile, unless in approved containers or cabinets.	
8A.12	A 20-pound Class ABC dry chemical fire extinguisher shall be available within 100 feet of any one portion of the tire storage areas.	
8A.13	The site must be graded to prevent any standing pools of water and to limit the runoff and run-on of precipitation.	
8A.14	Any tire pile shall be at least 200 feet from any water body or source, unless grading or a berm is designed to intercept such flows. This distance may then be reduced to 50'.	
8A.15	The stockpile site shall be secured by a fence or barrier of a minimum of 6' in height to impede unauthorized vehicle or personal access.	
8A.16	No open burning of any type shall be allowed at the permitted stockpile site. All fueling of vehicles and equipment and any other work or activity that may release sparks or flame shall be conducted at least 50 feet from any tire storage area.	
8A.17	Signs shall be posted every 100 feet on site, placed for visibility of personnel on site, that state “Open burning on-site prohibited”	
8A.18	The perimeter of the site shall be posted with signs every 100 feet, placed for visibility to those off site, that state: “Highly flammable materials on-site. Burning in area not recommended.”	

Item 8B:	ABOVEGROUND STORAGE – ENCLOSED AREA:	Initialed by:
8B.1	The tires shall be stored in accordance with items 8A.1 – 8A.8, as listed above on page 4	
8B.2	To qualify as an enclosed area, the area must be enclosed in a structure with a permanent roof and lateral protection to prevent precipitation from accumulating within the tires.	
8B.3	An enclosed structure shall not contain more than 50,000 PTEs.	
8B.4	Combustible materials or volatile chemicals shall not be stored in a structure permitted for tire storage unless stored in approved fire-resistant containers or cabinets.	
8B.5	A 20-pound Class ABC dry chemical fire extinguisher shall be available within 50 feet of any one portion of the tire storage area.	
8B.6	The storage structure must be secured from unauthorized access.	
8B.7	No open burning of any type shall be allowed at the permitted stockpile site. All fueling of vehicles and equipment and any other work or flame that may release sparks or flame, shall be conducted at least 50 feet from any tire storage area.	
8B.8	The exterior of the enclosed storage area shall be posted with signs, placed every 100 feet that state: "Highly flammable materials stored inside. Burning on-site prohibited."	

Item 8C:	BELOWGROUND STORAGE:	Initialed by:
8C.1	This site is an Iowa-licensed grain warehouse (copy of license enclosed with this application)	
8C.2	All underground storage areas must be dry and not prone to the entry of surface water or groundwater.	
8C.3	The underground storage area must be secured from unauthorized access by locking gates, doors, barriers or other devices.	
8C.4	The site shall not store any volatile chemicals or other combustible materials within 150 feet of the tire storage area.	
8C.5	For tires placed for storage after July 1, 2002, all such storage areas shall have access lanes, not less than 50 feet in width, arranged so that no portion of the storage areas are more than 150 feet from an access lane.	
8C.6	For tires placed for storage after July 1, 2002, the tires shall not be buried by debris, rubble or other cover within the underground storage site.	

SECTION 9. REPORTING REQUIREMENTS [IAC 567 117.4(4)]

The permittee shall make a semiannual report to the department, on a form as provided or approved by the department. The report must include the following information as listed in this section. Indicate your acceptance of the reporting requirements by initialing each item below.

Item 9:	REPORTING REQUIREMENTS:	Initialed by:
9.1	Total quantity of waste tires received by the facility during the reporting period.	
9.2	Quantity of waste tires received by the facility from in-state sources.	
9.3	Quantity of waste tires received by the facility from out-of-state sources.	
9.4	Quantity of waste tires stored at the facility at the time of reporting.	
9.5	Quantity of waste tires removed during the reporting period, with determinations of quantities of product delivered to identified in-state and out-of-state markets or sites.	
9.6	Quantity of processed material currently stored at the facility, by product type.	

SECTION 10. APPLICANT CERTIFICATION

CERTIFICATION

I certify under penalty of law that I am the owner, operator, or authorized representative of the waste tire storage facility for which this application is submitted, and that I have examined and am familiar with the requirements of operation through this permit that I have applied for herein, and that the information I have provided is true, accurate and complete.

Signature: _____ Date: _____

Printed Name: _____

Title: _____

Representing (company or owner name) _____

SECTION 11. APPLICANT PERMIT FEE

- ☛ **The applicant shall attach the annual permit fee of \$850** with this initial application, and shall remit the annual fee of \$850 for each subsequent year that the permittee operates this facility, on or by July 1st of subsequent years. The permittee shall pay the fee due annually, each July 1st, unless the permittee properly closes the facility and discontinues operations, or in the event the department revokes the permittee's authority to operate a waste tire processing facility.

*** Checks shall be in the amount of \$850.00, and shall be made payable to:

Iowa Department of Natural Resources

Upon completion of the application, attach payment and send to:

Chad Stobbe
Environmental Specialist Senior
Energy & Waste Management Bureau
Iowa Department of Natural Resources
502 E. 9th St.
Des Moines, IA 50319-0034

For questions concerning this application or the permitting process contact Chad Stobbe at 515-242-5851 or chad.stobbe@dnr.state.ia.us.